



PAM-32

Program Assignment Monitor

The RTS Model PAM-32 keypanel fits in a standard 19" rack and is two rack spaces high. It has 32 pushbutton keys; 30 of which are monitoring inputs; one key for scrolling alpha assignments; and one is for headset/speaker selection. It adds significant new features such as digital signal processing and binaural headset operation with left/right assignment of audio signals. The PAM-32 also introduces large, super-bright, long-life fluorescent displays with adjustable brightness control, making it suitable for all types of ambient lighting from direct sunlight to darkness.

Features

Super-bright, fluorescent displays: Provides much better visibility and usable life than LCD displays. A display saver mode with programmable scrolling message extends display life and conserves power during periods of inactivity.

32 Pushbutton Keys, with 30 keys available for monitoring inputs.

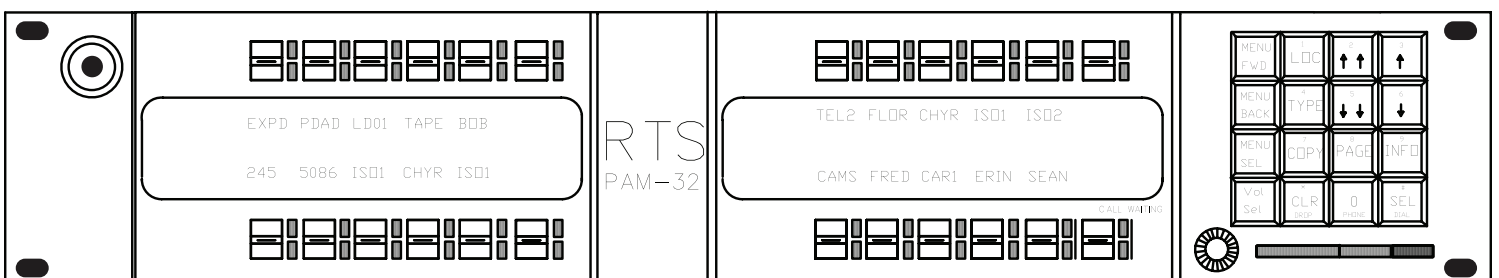
Only 3.54 inches (90mm) deep behind the front panel (approximately 5.11 inches / 130mm with connectors). Perfect for consoles, OB vans, etc.

Digital Signal Processing (DSP) adds new mixing and metering capabilities.

Binaural (1/4" phone/stereo plug) Headset Connector. Works with the DSP mixing feature. Lets you independently assign intercom, microphone, and program audio to left or right headphone.

Easy upgrades. Firmware updates can be received via the Internet, for example, and then downloaded to the PAM-32 via the intercom connection. Ready for future communication enhancements, including coax, fiber, and ISDN.

Line Drawing



PAM-32 Specifications

General

AC Supply:

External, switching type, 100-240 VAC, 50/60 Hz with locking DIN connector for attachment to the keypanel and universal IEC connector for connection to various AC mains cords.

Environmental

Storage: -40° C to 60° C (-40°F to 140° F)

Operating: -10° C to 41° C (14° F to 105.8° F)

Dimensions

19" (482.6 mm) W x 3" (76.2 mm) H x 3.5" (90mm) D

Weight

6.44 lbs (2.92 kg)

Mounting Depth Needed

Approx. 7"

Headphone Amplifier

Max Voltage Gain: 200dB

Frequency Response: 100 Hz to 10 kHz, ± 2 dB

Headphone Impedance: 8 to 600

Output Power: 160 mW into 50

Output Voltage Level: 8 Volts peak to peak (max.)

Sidetone Range: 25dB

Speaker Amplifier and Speaker

Frequency Response: 100 Hz to 10 kHz, ± 2 dB

Output Power (per amplifier): 4 watts into 4

Output Voltage Level: 11.3 volts peak to peak (max.)

Volume Control Range: 30dB

Speaker Rating: 4 watts max.

Intercom Inputs (Side A)

Input - Nominal: +8 dBu

Peak: ± 20 dBu max.

AUX Inputs (Side B)

Input Level: + 8 dBu nominal

Connectors (other connector options available)

Headset Connector

Type: 3-circuit, 1/4" phone jack with threaded metal bushing

Pin-out

Tip: Audio side A+

Ring: Audio side B+

Sleeve: Ground

Power Input Connector

Type: 5-pin locking DIN

Pin Out

Pin 1: Common; Pin 2: Common; Pin 3: +5 VDC, 1.50A Max.; Pin 4: -15 VDC, 0.150A Max.; Pin 5: +15 VDC, 0.5A Max.

Intercom Connectors: Parallel-wired DE9S and RJ-12 Connectors

Type: DE9S

Pin Out

Pin 1: Data +; Pin 2: Data -; Pin 3: Audio In (from Matrix) shield; Pin 4: Audio Out (to Matrix) +; Pin 5: Audio Out (to Matrix) (-); Pin 6: Data Shield; Pin 7: Audio In (from Matrix) (-); Pin 8: Audio In (from Matrix) (+); Pin 9: Audio Out (to Matrix) shield

Type: RJ-12

Pin Out

Pin 1: Data -; Pin 2: Audio In (from Matrix) (+); Pin 3: Audio Out (to Matrix) (+); Pin 4: Audio Out (to Matrix) (-); Pin 5: Audio In (from Matrix) (-); Pin 6: Data +

Expansion Connector

Type: RJ-45

LCP Connector

Type: RJ-45

Foot Switch / Speaker

Type: 9-pin male D-Sub

Pin Out

Pin 1: Gnd; Pin 2: Speaker Low (-); Pin 3: Gnd; Pin 4: No Connection; Pin 5: Foot Switch; Pin 6: Speaker High (+); Pin 7: No Connection; Pin 8: No Connection; Pin 9: Gnd

Matrix Out Balanced Output

Type: 3-pin Male XLR

Pin Out

Pin 1: Shield (circuit common); Pin 2: Audio output +; Pin 3: Audio output -

Note: Output Level +8 dBu nominal (balanced).

Contact Information

Telex Communications, Inc.
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Form Number: LIT000040000

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Ordering Information

PAM-32

Program assignment monitor

Catalog Number: 90007791000

This specifications information is preliminary and is subject to change without notification.

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